

CLAIMS

1. A portable preservation apparatus of the cold storage type for a donor organ, comprising a cooling box provided with an organ chamber for receiving a donor organ in preservative fluid and a lid, characterized in that, on the side which operatively faces the organ chamber, the lid is
5 provided with a connector detachably connected to the lid, which connector is provided with passages for one or more connecting pieces connected with the donor organ and one or more pipes connected with at least one perfusion pump, wherein the at least one perfusion pump is a miniature pump mounted at least partly in the lid and wherein the apparatus further
10 comprises at least one oxygenator, an oxygen container, one or more electronic modules and a power supply module.
2. A portable preservation apparatus according to claim 1, characterized in that the connector has the form of a container open on one side, and is provided with fastening elements which can cooperate with fastening
15 elements provided to the lid for fastening the connector to the lid in such a detachable manner that the open side faces the lid, while the passages are located in an otherwise closed wall facing the organ chamber.
3. A portable preservation apparatus according to claim 1 or 2, characterized in that the at least one oxygenator, at least the part of the at
20 least one perfusion pump coming into contact with the preservative fluid and the corresponding fluid pipes are mounted in the connector, so that, together with the said parts, the connector forms a single-use replacement part.
4. A portable preservation apparatus according to any one of the
25 preceding claims, characterized in that the at least one perfusion pump is a pump with a detachable driving motor, which driving motor is, in mounted condition, located on the side of the lid facing away from the connector and

is detachably connected with the remaining part of the pump via an opening in the lid, which remaining part of the pump has been mounted in the connector.

5. A portable preservation apparatus according to any one of the
5 preceding claims, characterized in that the lid is provided with at least one or more electronic modules and/or an oxygen container.
6. A portable preservation apparatus according to any one of the
preceding claims, characterized in that the electronic modules comprise a minicomputer for controlling the pumping action of the at least one pump
10 and the displaying of relevant data.
7. A portable preservation apparatus according to any one of the
preceding claims, characterized by a cover to be placed on the lid, which at least partly forms a window for a display screen.
8. A portable preservation apparatus according to any one of the
15 preceding claims, characterized in that, on the outside, near the wall facing the organ chamber, the connector is provided with a number of circumferential grooves and/or ribs for fastening an organ bag.
9. A portable preservation apparatus according to any one of the
preceding claims, characterized in that the cooling box is provided with one
20 or more handgrips and/or carrying handles.